

SYSTEM AND METHOD FOR SERVICING COMMUNICATIONS USING BOTH FIXED
AND MOBILE WIRELESS NETWORKS

ABSTRACT OF THE DISCLOSURE

Mobile wireless device(s) roam within and between premises
5 and a vehicle or other mobile platform and interface to wireless
local area networks within the premises or vehicle. When using
the intra-vehicular network, a communication relay within the
vehicle routes communications from the wireless device to a wide
area wireless network such as cellular network or satellite
10 network. This allows the power consumption of the mobile
wireless device to be greatly reduced as the mobile device need
only communicate with the local intra-vehicular WLAN. The
vehicle acts as the power supply for the relay. When the
coverage area of the intra-vehicular WLAN overlaps that of
15 another WLAN, seamless handoff allows continuous data or voice
connectivity between the overlapping wireless networks.